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June 27, 1984

Bruce S. Mallett, PhD
Region III Licensing Section
Material Licensing Branch
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

75204

Subject: License renewal for Elmhurst Memorial Hospital

Dear Dr. Mallett:

Following our phone conversation of June 25, 1984 the following information is furnished concerning the license renewal for Elmhurst Memorial Hospital:

1. Information concerning the training of the two additional physicians to be added to the license is included for your information.
2. The proper operation and consistency of the readings of the pocket dosimeters used by nursing, nuclear medicine and radiation therapy will be verified with the use of ¹³⁷Cs. In conjunction with this Michael V. Broadbent, PhD should be added to the list of users in order to perform these measurements.
3. In the event that the attenuation method of checking the dose calibrator linearity is used the instruction manuals furnished by the manufacturers will be used in their operation. The manual for the "Lineator" is dated June 20, 1983. The manual for the Calicheck is dated November 25, 1981 and revised March 2, 1984. In the event that the manuals are changed or updated the most current manual will be used for the linearity testing of the dose calibrator.
4. The action levels for the required tests of the dose calibrator will be 10 percent. If readings greater than 10 percent are obtained then the dose calibrator will be repaired, adjusted, or correction factors will be used in order to bring the readings to the desired accuracy.
5. In the use of unsealed sources the conditions of Appendix K paragraphs 3, 6, and 11 d & e are currently being followed and will continue to be followed. In connection with paragraph 6 the linens may be bagged and returned to nuclear medicine where they will be checked for contamination. If there is contamination then they will be held for decay.

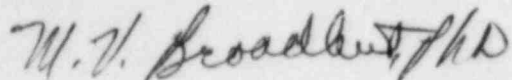
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12-06289-01 PDR

JUL 6 1984

6. Concerning the use of sealed sources; surveys of the patient's bedding is conducted after the removal of the sources. The result of the survey is included on the survey sheet which is part of the records which are maintained in the department. In addition the requirements of paragraph 3 of Appendix L will be followed.

If there are further questions please contact us. Thank you for your time and effort.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "M. V. Broadbent, PhD". The signature is written in a cursive, flowing style.

M. V. Broadbent, PhD, MACR
Radiation Safety Officer

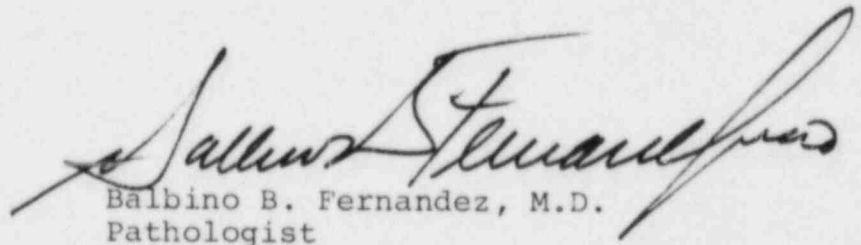
June 26, 1984

To whom it may concern:

I am a Pathologist in practice since 1969. During my clinical Pathology training (1967-1969) I spent three months working with Drs. Leigh Rosenblum, Arthur Gauston and Joel Stein in the Department of Nuclear Medicine at Lutheran General Hospital.

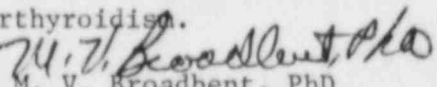
From 1975-1981, I was Director of the section of Immunology and Virology at Lutheran General Hospital and was involved with the use of radioisotopes for hepatitis testing.

I have been Chief of Pathology at Elmhurst Memorial Hospital since 1981, and one of my duties has been to supervise the section of Chemistry where radioimmunoassays are performed.


Balbino B. Fernandez, M.D.
Pathologist

Dear Dr. Mallott:

I talked with Dr. Fernandez who stated that he has worked with I-125 in RIA kits, Co-57 tests, and I-131 for hyperthyroidism.


M. V. Broadbent, PhD

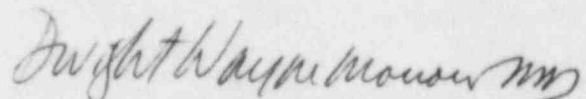
June 28, 1984

June 26, 1984

To whom it may concern:

I am a recent graduate of an accredited pathology program at Lutheran General Hospital. During that time, I had experience with Dr. Parviz Shirazi and Dr. Farhat Quadri in the Nuclear Medicine department learning about the theoretical and practical aspects of both imaging and radioimmunoassay. Furthermore I was involved with use of radioisotopes in other departments for hepatitis testing, etc.

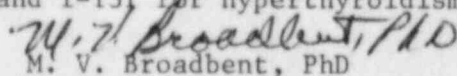
My American Board of Pathology certificate was obtained in June, 1983 and included testing on theoretical and practical applications of radioisotopes.



Dwight W. Morrow, M.D.
Pathologist

Dear Dr. Mallott

I talked with Dr. Morrow who stated that he has worked with I-125 in RIA kits, Co-57 tests, and I-131 for hyperthyroidism.



M. V. Broadbent, PhD

June 28, 1984

CONVERSATION RECORD

TIME

DATE

6/26/84

TYPE

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Mike Bradbert, Ph.D.

ORGANIZATION (Office, dept., bureau, etc.)

Electron Mem. Hosp.

TELEPHONE NO.

833-1700

ROUTING

NAME/SYMBOL

INT

SUBJECT

To discuss removal of ltr. no. 12-06289-01, Control No. 75204.

SUMMARY

B. Malott called and stated in order to complete removal, need info on following:

1. Will authorize all users as in 3/15/84 letter; however, ~~for~~ will not authorize Dr. Morrow and Fernandez for In vitro studies.In order to authorize, need experience documentation submitted w/ In vitro materials/users. C.V.s. submitted not sufficient for this purpose.2. Still need description of In vitro area.

3. To pocket dosimeters for nurses.

as be advised, if calibrating using teletherapy unit licenses, will need to amend that licenses for this purpose.

4. For unsealed therapy - didn't modify nursing instructions as asked in telcom on 12/10/83. Don't need items 2, 5, of app. K. - These are in regulations. Do need to have items 3, 6, 11d. File. of app. K. However.

ACTION REQUIRED

over

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

Bruce Malott

DATE

6/26/84

ACTION TAKEN

Telephone efficiency.

SIGNATURE

TITLE

DATE

ok 5. For scaled therapy:

ok a. In inventories - note - must inventory quarterly as in Part 35, Section 35.14(6)(~~5~~) (II).

ok b. Therapy procedures were ok. before - I don't know why they changed.

c. On new procedures - needs Item 3 for frequency of surveys, Item 8.J., Item 8.K. - from App. L. to be complete. Note - can condition if he desires.

ok 6. Dose calibrator ok. - constancy & linearity. a. Will condition for using kits on market today & not just any attenuation method as in Item 10 of app. dated 12/19/83.

ok b. Need action levels for linearity & constancy. If agree, will condition to 10%.

ok 7. Exemption for adjacent areas - 20.105 - ok as per procedures in 3/15/84 letter.

Dr. Broadbent indicated that he does not want special conditions for these; he will respond in a letter this week.